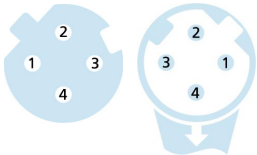
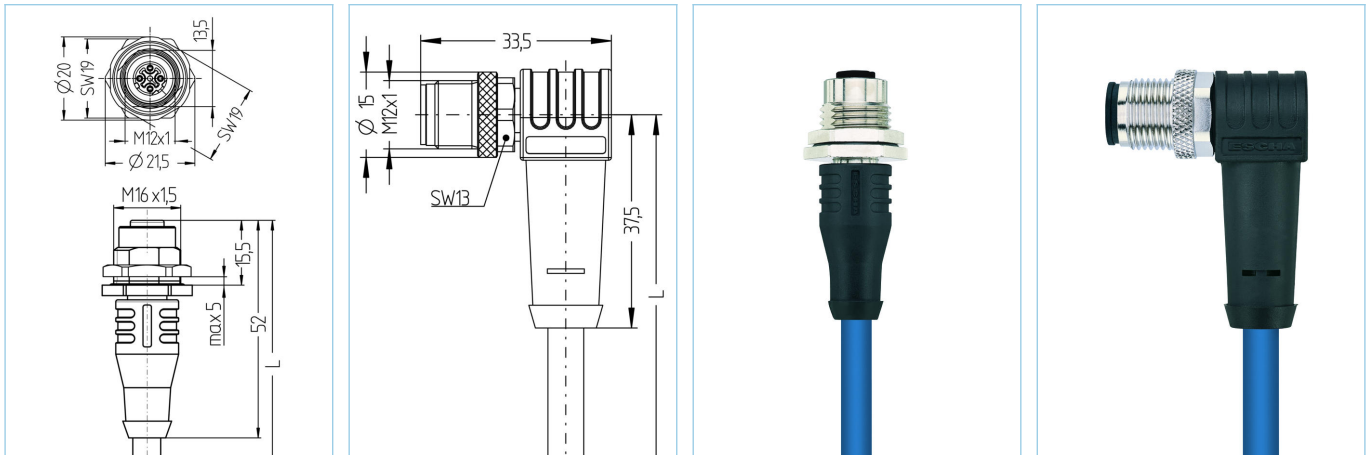


Receptacle Double-ended cordset, M12, female, straight, 4 poles, D-coded, M12, male, angled, 4 poles, D-coded, shielded, rail approved



**Product data**

Item description	RA-FKFDSY4.029-5-RA-WWASSY4.029/S5002BU
Item-No.	8087257
Length	5m
Customs tariff-No.	85444290
Step-File	RA-FKFDSY4-L-RA-WWASSY4.stp
EAN	4047106247775

**Technical data**

	A-side	B-side
Connector	female, straight, M12	male, angled, M12
Number of pins	4	4
Pin assignment	1 YE, 2 WH, 3 OG, 4 BU	1 YE, 2 WH, 3 OG, 4 BU
Coding of	D	D
Rated voltage	60V	60V
Current load (at 40°C)	4A	4A
Insulation resistance	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$
Resistance	$\leq 5m\Omega$	$\leq 5m\Omega$
Transmission features	Cat5e	Cat5e
Contact material	Metal, CuZn, gold-plated	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, BK	Plastic, PA, BK
Grip body material	Plastic, TPU, BK	Plastic, TPU, BK
Coupling nut material	Metal, CuZn, nickel-plated	Metal, CuZn, nickel-plated
Receptacle housing material	Metal, CuZn, nickel-plated	
Sealing (female) material	FPM/FKM	
Material of external sealing	NBR	
Shielding	with shielding	with shielding
Mounting direction	Back wall-mounting (incl. Fixing screw)	
Fastening thread	M16x1,5	

Wall thickness area ( $\Delta h$ )	1,0...5,0 mm	
Standards	IEC 61076-2-101	IEC 61076-2-101
Mechanical life-cycle	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3

#### Advanced technical data rail approved

Standards	DIN EN 50155, DIN EN 45545-2
Shock & vibration	Class 1, Category B (DIN EN 61373)
Degree of protection (mounted)	IP67 (-30°C...+90°C), IP65 (-40°C...+90°C)
Temperature range	Tx (-40°C...+90°C)
Fire prevention according to	DIN EN 45545-2 HL1-3

#### Cable Cat5, BETAtrans®, RW, 1x4xAWG22, S5002BU

Halogen-free, electron-beam cross-linked Cat5-cable with improved fire performance. This cable can be used for fixed and protected installation inside of rail vehicles and busses and fulfills the requirements according to EN 45545-2 (HL1 - HL3). It is optimally suited for all Ethernet applications of classes D (ECN) according to IEEE 802.3. For installation the guidelines of EN 50355 and EN 50343 must be considered. Due to its thin diameter, this cable is predestined for applications in which overmolded RJ45-connectors are used. BETAtrans® is a registered trademark of LEONI Studer AG, Switzerland.

Outer diameter of jacket	6.60 mm
Cable-jacket material	BETAtrans® Polyolefin Copolymer
Jacket color	BU
Wire cross-section	1 x 4 x AWG22, star quad
Wire insulation material	BETAtrans® Cell PE
Wire colors	WH, BU, OG, YE
Wire structure	7 x 0.254 mm
Bending radius (fixed)	5xØ cable
Bending radius (repeated)	6xØ cable
Temperature range (fixed)	-40°C...+85°C
Fire prevention according to	DIN EN 45545-2 HL1-3, DIN 5510 fire prevention-levels 1-4, NF F16-101 category A1, A2, B, UNI CEI 11170, danger level LR1-LR4, NFPA 130, UN ECER118
Shielding	Yes
Halogen-free	Yes
Transmission features	Cat5e
Special features	flame retardant, LABS free, RoHs compliant, halogen free, increased thermal load, low emission of smoke, oil- and fuel resistant, UN ECER118

#### Classification

eCl@ss 6.0	27060307
eCl@ss 7.0	27060307
eCl@ss 8.0	27060307
eCl@ss 9.0	27060307
ETIM 5.0	EC000830
ETIM 6.0	EC000830

## Accessories

### Torque-wrench set

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

### Marking rings Ø 9mm

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>

### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

### Screw plug, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8000004>

### Screw cap, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8000031>

### Mounting-clip, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660>

### Mounting-set, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047664>

### Safety-clip, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8040501>

### Spare nuts for receptacle

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8029359>

## Link to product

<https://www.escha.net/en/products/standard/connectors-for-bus-and-rail/8087257>